

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: AHN, Tae-jin  
Serial No.: 10/770,092  
Conf. No.: 9277  
Filed: February 2, 2004  
Title: APPARATUS AND METHOD FOR DNA SEQUENCE, AND COMPUTER  
READABLE MEDIUM  
Examiner: SMITH, Carolyn L.  
Art Unit: 1631  
Docket No: YPL-0078

**VIA EFS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AFTER-FINAL AMENDMENT AND RESPONSE**

This Amendment and Response is submitted in response to the final Office Action dated June 15, 2007.

This response has the following sections:

**Amendments to the Claims** begin on page 2 of this paper.

**Remarks** begin on page 7 of this paper.